

Traffic Safety Facts Florida 2006-2010



This Report Contains Data From the Following Sources:

Fatality Data - NCSA Fatality Analysis Reporting System (FARS): 2006-2009 Final File and 2010 Annual Report File (ARF) Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the Florida State Survey Vehicle Miles of Travel Data and Motorcycle Registrations - Federal Highway Administration (FHWA) Population Data - U.S. Bureau of the Census





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Traffic Safety Performance (Core Outcome) Measures* For Florida

Core Outcome Measure	0.0			Year		
Core Outcome Measure	#5	2006	2007	2008	2009	2010
Traffic Fatalities	Total	3,357	3,213	2,980	2,560	2,445
	Rural	1,338	1,257	1,161	1,035	946
	Urban	2,001	1,942	1,809	1,498	1,480
	Unknown	18	14	10	27	19
Fatalities Per 100 Million Vehicle Miles Driven	Total	1.65	1.56	1.50	1.30	1.25
	Rural	3.55	3.30	3.22	2.91	2.67
	Urban	1.20	1.16	1.11	0.93	0.92
Passenger Vehicle Occupant Fatalities (All Seat Positions)	Total	2,019	1,879	1,728	1,516	1,403
(· · · · · · · · · · · · · · · · ·	Restrained	768	735	686	626	659
	Unrestrained	1,154	1,078	1,000	846	707
	Unknown	97	66	42	44	37
Alcohol-Impaired Driving Fatalities (BAC=.08+)**	926	917	887	777	660
Speeding-Related Fatalities		712	611	553	536	453
Motorcyclist Fatalities	Total	561	566	556	413	396
	Helmeted	277	273	272	189	184
	Unhelmeted	244	265	254	203	205
	Unknown	40	28	30	21	7
Drivers Involved in Fatal Crashes	Total	4,813	4,552	4,223	3,486	3,426
	Aged Under 15	4	6	4	7	2
	Aged 15-20	590	577	485	356	328
	Aged Under 21	594	583	489	363	330
	Aged 21 and Over	4,097	3,834	3,612	3,037	3,023
	Unknown Age	122	135	122	86	73
Pedestrian Fatalities		544	530	490	467	487

*These Performance Measures Were Developed By The National Highway Traffic Safety Administration (NHTSA) and the Governors Highway Safety Association (GHSA) (See Publication: DOT HS 811 025)

**Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only





Fatality Rates: Florida , U.S. and Best State

	Year	Fatalities	Total Vehicle Miles Traveled (Millions)	Fatalities Per 100 Million Vehicle Miles Traveled	Total Population	Fatalities Per 100,000 Population
2006	Florida	3,357	203,741	1.65	18,166,990	18.48
	US	42,708	3,014,371	1.42	298,379,912	14.31
	Best State*			0.78		6.48
2007	Florida	3,213	206,121	1.56	18,367,842	17.49
	US	41,259	3,031,124	1.36	301,231,207	13.70
	Best State*			0.79		6.53
2008	Florida	2,980	198,616	1.50	18,527,305	16.08
	US	37,423	2,976,528	1.26	304,093,966	12.31
	Best State*			0.67		5.63
2009	Florida	2,560	196,379	1.30	18,652,644	13.72
	US	33,883	2,956,764	1.15	306,771,529	11.05
	Best State*			0.62		4.90
2010	Florida	2,445	195,755	1.25	18,843,326	12.98
	US	32,885	2,966,506	1.11	309,349,689	10.63
	Best State*			0.58		3.97

*State (or States) With Lowest Rates: Lowest VMT and Population Rates Could Be in Different States



Fatalities By The Highest Blood Alcohol Concentration (BAC) in the Crash**: Florida , U.S. and Best State (Old Definition)

	Year					vel in the		
real		Total Fatalities in all Crashes	Number	Percent	Per 100 Million VMT	Number	Percent	Per 100 Million VMT
2006	Florida	3,357	1,369	41	0.67	1,183	35	0.58
	US	42,708	17,738	42	0.59	15,144	35	0.50
	Best State*			24	0.26		20	0.22
2007	Florida	3,213	1,369	43	0.66	1,158	36	0.56
	US	41,259	17,158	42	0.57	14,603	35	0.48
	Best State*			24	0.27		21	0.23
2008	Florida	2,980	1,269	43	0.64	1,092	37	0.55
	US	37,423	15,449	41	0.52	13,258	35	0.45
	Best State*			21	0.21		16	0.16
2009	Florida	2,560	1,108	43	0.56	962	38	0.49
	US	33,883	14,179	42	0.48	12,149	36	0.41
	Best State*			25	0.24		18	0.17
2010	Florida	2,445	932	38	0.48	829	34	0.42
	US	32,885	13,364	41	0.45	11,560	35	0.39
	Best State*			23	0.21		21	0.18

*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Based on the BAC of All Involved Drivers, Motorcycle Riders (Operators), Pedalcyclists and Pedestrians



Alcohol-Impaired Driving Fatalities**: Florida, U.S. and Best State (New Definition)

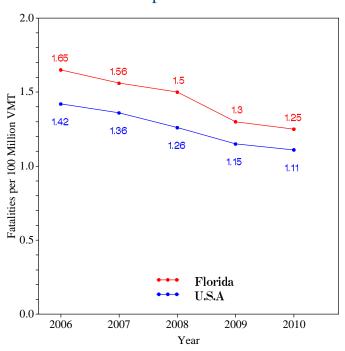
	Year	Total	Alcohol-Impaired Driving Fatalities (BAC = .08+)					
		Fatalities in all Crashes	Number	Percent	Per 100 Million VMT			
2006	Florida	3,357	926	28	0.45			
	US	42,708	13,491	32	0.45			
	Best State*			18	0.20			
2007	Florida	3,213	917	29	0.44			
	US	41,259	13,041	32	0.43			
	Best State*			19	0.21			
2008	Florida	2,980	887	30	0.45			
	US	37,423	11,711	31	0.39			
	Best State*			16	0.16			
2009	Florida	2,560	777	30	0.40			
	US	33,883	10,759	32	0.36			
	Best State*			17	0.16			
2010	Florida	2,445	660	27	0.34			
	US	32,885	10,228	31	0.34			
	Best State*			19	0.14			

*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States **Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only



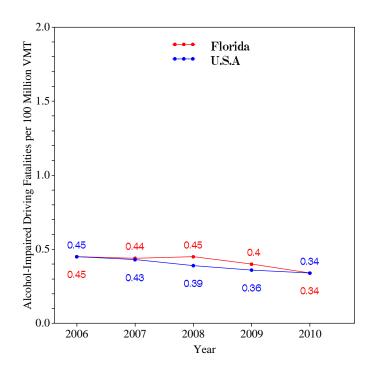


Fatalities per 100 Million VMT



Alcohol-Impaired Driving Fatalities per 100 Million VMT

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Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Riders (Operators) Involved in Fatal Crashes: Florida, U.S. and Best State

	Surviving Drivers/Motorcycle Riders				Killed [Orivers/Mo Riders	otorcycle	Total D	Total Drivers/Motorcycle Riders			
	Year		With I Alco Concer (BA Res Repor	tration Concentration (C) (BAC) ults Results ted to Reported to			Alcohol Alcohol Conce (BAC) (B desults Resourted to Repo			Blood ohol otration AC) ults ted to RS		
		Total	Number	Percent	Total	Number	Percent	Total	Number	Percent		
2006	Florida	2,816	446	16	1,997	1,306	65	4,813	1,752	36		
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46		
	Best State*			81			99			85		
2007	Florida	2,655	410	15	1,897	1,307	69	4,552	1,717	38		
	US	29,449	7,631	26	26,570	19,434	73	56,019	27,065	48		
	Best State*			82			100			84		
2008	Florida	2,421	446	18	1,802	1,211	67	4,223	1,657	39		
	US	26,162	7,656	29	24,254	18,415	76	50,416	26,071	52		
	Best State*			81			99			85		
2009	Florida	2,001	405	20	1,485	1,008	68	3,486	1,413	41		
	US	23,502	7,188	31	21,835	16,753 77		45,337	23,941	53		
	Best State*			86		100				90		
2010	Florida	2,033	339	17	1,393	781 56		3,426	1,120	33		
	US	23,424	6,955	30	21,016	14,872	71	44,440	21,827	49		
	Best State*			88			93			87		

*State (or States) With Highest Percents: Highest Percents Could Be in Different States



Daytime Front Seat (Outboard Only) Passenger Vehicle Occupants, Aged 5 and Over, by Restraint Use:

Fatalities and Observed Florida, U.S. and Best State

	Year	Fatalities - Restrained**	Observed - Restrained***
	Teal	Percent	Percent
2006	Florida	52	81
	US	55	81
	Best State*	100	96
2007	Florida	53	79
	US	57	82
	Best State*	82	98
2008	Florida	54	82
	US	56	83
	Best State*	78	97
2009	Florida	56	85
	US	58	84
	Best State*	77	98
2010	Florida	61	87
	US	59	85
	Best State*	100	98

*State With Highest Percent. Fatal Crash and Observed Percents Can Be Different States **Percent Based Only Where Restraint Use Was Known

***USA Data: National Occupant Protection Use Survey. Florida Data: State Survey

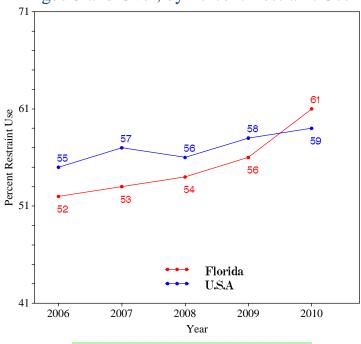
Note: The Purpose of this Table is to Compare (as closely as possible) the Use of Restraint Systems

by Fatally Injured Occupants with Occupants in all Driving Situations





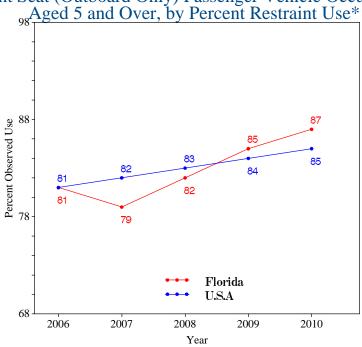
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use*



*Percent Based Only Where Restraint Use Was Known

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Daytime Front Seat (Outboard Only) Passenger Vehicle Occupants Observed,



*USA Data: National Occupant Protection Use Survey. Florida Data: State Survey



Passenger Vehicle Occupant Fatalities Age 5 and Above by Restraint Use and Lives Saved Estimates

		Fata		Lives S Estima			
Year	Total	Restrained	strained Unrestrained		Percent Known Restrained*	Lives Saved at Current Belt Use	Additional Lives Savable at 100% Belt Usage
2006	1,996	759	1,142	95	40	923	394
2007	1,848	716	1,066	66	40	857	411
2008	1,713	679	992	42	41	820	341
2009	1,498	613	843	42	42	726	266
2010	1,387	650	700	37	48	769	229

*Percent Based Only Where Restraint Use Was Known

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Passenger Vehicle Occupant Fatalities Age 4 and Under by Restraint Use and Lives Saved Estimates

		Fat	alities Age 4 ar	nd Under		Lives Saved Estimates**
Year			Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Seat Belt and Child Safety Seat Usage
2006	20	7	11	2	39	9
2007	24	15	9	0	63	20
2008	14	7	7	0	50	8
2009	17	13	2	2	87	20
2010	15	9	6	0	60	11

*Percent Based Only Where Restraint Use Was Known

**Lives Saved Estimates

^{**}Lives Saved Estimates (Sum of columns may not equal other published numbers due to rounding)



Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates

			Fatalities		Lives S Estima		
Year	Total	Helmeted	elmeted Unhelmeted		Percent Known Helmeted*	Lives Saved at Current Helmet Use	Additional Lives Savable at 100% Helmet Usage
2006	561	277	244	40	53	176	99
2007	566	273	265	28	51	170	104
2008	556	272	254	30	52	170	100
2009	413	189	203	21	48	118	80
2010	396	184	205	7	47	111	78

*Percent Based Only Where Helmet Use Was Known

^{**}Lives Saved Estimates (Sum of columns may not equal other published numbers due to rounding)



Fatalities by Person Type

	Person Type	200)6	200)7	200	18	200	2009		10
	reison Type	#	%*	#	%*	#	%*	#	%*	#	%*
Occupants	Passenger Car	1,195	36	1,123	35	992	33	867	34	839	34
	Light Truck - Pickup	346	10	304	9	327	11	269	11	222	9
	Light Truck - Utility	359	11	345	11	329	11	289	11	259	11
	Light Truck - Van	117	3	105	3	79	3	91	4	83	3
	Light Truck - Other	2	0	2	0	1	0	0	0	0	0
	Large Truck	39	1	46	1	34	1	22	1	27	1
	Bus	1	0	2	0	2	0	1	0	8	0
	Other/Unknown Occupants	38	1	53	2	29	1	17	1	20	1
	Total Occupants	2,097	62	1,980	62	1,793	60	1,556	61	1,458	60
Motorcyclists	Total Motorcyclists	561	17	566	18	556	19	413	16	396	16
Nonoccupants	Pedestrian	544	16	530	16	490	16	467	18	487	20
	Bicyclist and Other Cyclist	131	4	119	4	126	4	107	4	83	3
	Other/Unknown Nonoccupants	24	1	18	1	15	1	17	1	21	1
	Total Nonoccupants	699	21	667	21	631	21	591	23	591	24
Total	Total	3,357	100	3,213	100	2,980	100	2,560	100	2,445	100

*Sum of Percents May Not = 100 Due to Individual Cell Rounding



Fatalities by Crash Type

Crash Type	2006	2007	2008	2009	2010
Total Fatalities (All Crashes)*	3,357	3,213	2,980	2,560	2,445
- (1) Single Vehicle	1,780	1,728	1,706	1,548	1,389
- (2) Involving a Large Truck	350	301	264	181	181
- (3) Involving Speeding	712	611	553	536	453
- (4) Involving a Rollover	799	772	706	609	546
- (5) Involving a Roadway Departure	1,275	1,219	1,204	1,120	909
- (6) Involving an Intersection (or Intersection Related)	1,060	1,019	922	759	789

⁽¹⁾ Crash Involved Only One Coded Vehicle

⁽²⁾ Crash Involved at Least One Large Truck

⁽³⁾ Crash Involved at Least One Vehicle Speeding

⁽⁴⁾ Crash Involved at Least One Vehicle That Rolled Over

⁽⁵⁾ Crash Involved at Least One Vehicle That Departed the Roadway (FHWA Definition)

⁽⁶⁾ Crash Occured Within an Intersection or Within the Approach to an Intersection

^{*}A Fatality Can Be in More Than One Category. Therefore Sum of the Individual Cells Will Not Equal the Total Due to Double Counting





Motorcyclist Fatalities by Age

Year			A	ge			
i eai	<20	20-29	30-39	0-39 40-49		>59	Total
2006	40	175	110	102	86	48	561
2007	26	182	111	126	81	40	566
2008	31	164	100	114	93	54	556
2009	17	106	66	81	86	57	413
2010	15	102	72	62	78	67	396

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Motorcyclist Fatalities Per 100,000 Registered Motorcycles

Year	Motorcyclist Fatalities	Total Motorcycle Registrations*	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2006	561	588,962	95.25
2007	566	624,932	90.57
2008	556	673,434	82.56
2009	413	669,746	61.67
2010	396	600,859	65.91

*Data Source: FHWA



Fatalities by Person Type and Race/Hispanic Origin

Person Type k	2006	2007	2008	2009	
Occupants (All Vehicle Types)	Hispanic	581	550	436	386
	White Non-Hispanic	1,670	1,636	1,563	1,322
	Black, Non-Hispanic	351	300	297	225
	American Indian, Non-Hispanic/Unknown	5	3	3	1
	Asian, Non-Hispanic/Unknown	22	16	19	22
	Pacific Islander, Non-Hispanic/Unknown	1	2	0	0
	Multiple Races, Non-Hispanic/Unknown	14	15	12	7
	All Other Non-Hispanic or Race	13	24	18	6
	Unknown Race and Unknown Hispanic	1	0	1	0
	Total	2,658	2,546	2,349	1,969
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	194	183	155	148
	White Non-Hispanic	386	372	376	334
	Black, Non-Hispanic	103	101	87	99
	American Indian, Non-Hispanic/Unknown	2	1	3	1
	Asian, Non-Hispanic/Unknown	6	6	3	1
	Pacific Islander, Non-Hispanic/Unknown	0	0	1	1
	Multiple Races, Non-Hispanic/Unknown	1	1	2	4
	All Other Non-Hispanic or Race	6	2	4	3
	Unknown Race and Unknown Hispanic	1	1	0	0
	Total	699	667	631	591
Total				2,980	2,560

2010 Race/Hispanic Origin Data is Not Yet Complete



5 Year Trend For The Top 10 Counties of 2010 - Fatalities

Counties by 2010 Ranking			F	atalitie	s		Percent of Total				
		2006	2007	2008	2009	2010	2006	2007	2008	2009	2010
1	Miami-Dade County	344	310	270	259	246	10	10	9	10	10
2	Broward County	256	253	227	189	179	8	8	8	7	7
3	Hillsborough County	191	182	182	141	153	6	6	6	6	6
4	Orange County	184	186	170	142	132	5	6	6	6	5
5	Palm Beach County	211	206	198	151	123	6	6	7	6	5
6	Duval County	144	166	120	114	110	4	5	4	4	4
7	Volusia County	122	106	109	94	106	4	3	4	4	4
8	Pinellas County	120	113	114	104	96	4	4	4	4	4
9	Polk County	159	105	133	94	85	5	3	4	4	3
10	Pasco County	96	99	88	78	75	3	3	3	3	3
Sub Total 1.*	Top Ten Counties	1,851	1,733	1,611	1,368	1,305	55	54	54	53	53
Sub Total 2.**	All Other Counties	1,506	1,480	1,369	1,192	1,140	45	46	46	47	47
Total	All Counties	3,357	3,213	2,980	2,560	2,445	100	100	100	100	100

*This Sub Total is the Total for the Top Ten Counties

**This Sub Total is the Total for all Counties Outside the Top Ten



5 Year Trend For The Top 10 Counties of 2010 - Fatalities Year to Year Percent Change

Counties by 2010 Ranking		Fatalities					Percent Change From Previous Year			
		2006	2007	2008	2009	2010	2007	2008	2009	2010
1	Miami-Dade County	344	310	270	259	246	-10	-13	-4	-5
2	Broward County	256	253	227	189	179	-1	-10	-17	-5
3	Hillsborough County	191	182	182	141	153	-5	0	-23	9
4	Orange County	184	186	170	142	132	1	-9	-16	-7
5	Palm Beach County	211	206	198	151	123	-2	-4	-24	-19
6	Duval County	144	166	120	114	110	15	-28	-5	-4
7	Volusia County	122	106	109	94	106	-13	3	-14	13
8	Pinellas County	120	113	114	104	96	-6	1	-9	-8
9	Polk County	159	105	133	94	85	-34	27	-29	-10
10	Pasco County	96	99	88	78	75	3	-11	-11	-4
Sub Total 1.*	Top Ten Counties	1,851	1,733	1,611	1,368	1,305	-6	-7	-15	-5
Sub Total 2.**	All Other Counties	1,506	1,480	1,369	1,192	1,140	-2	-8	-13	-4
Total	All Counties	3,357	3,213	2,980	2,560	2,445	-4	-7	-14	-4

*This Sub Total is the Total for the Top Ten Counties

**This Sub Total is the Total for all Counties Outside the Top Ten



5 Year Trend For The Top 10 Counties of 2010 - Fatality Rates

Median Rate for all U.S. Counties: 17.1

Counties by 2010 Ranking			Fatalities Per 100,000 Population						
			2007	2008	2009	2010			
1	Hamilton County	27.72	27.42	40.58	46.89	54.25			
2	Franklin County	26.53	17.40	26.12	26.05	51.93			
3	Walton County	44.97	42.02	31.74	33.01	50.69			
4	Hardee County	22.18	25.46	36.23	28.92	50.36			
5	Baker County	66.48	22.89	44.90	47.93	47.96			
6	Jefferson County	82.98	48.67	54.77	40.81	40.64			
7	Union County	67.24	25.94	31.81	39.11	38.65			
8	Columbia County	44.01	42.04	53.48	38.57	36.98			
9	Levy County	32.96	37.31	22.05	31.80	34.37			
10	Okeechobee County	47.90	35.14	22.52	35.09	32.47			
Sub Rate 1.*	Top Ten Counties	60.53	47.83	52.74	44.09	42.21			
Sub Rate 2.**	All Other Counties	17.96	16.93	15.52	13.27	12.48			
Total Rate	All Counties	18.48	17.49	16.08	13.72	12.98			

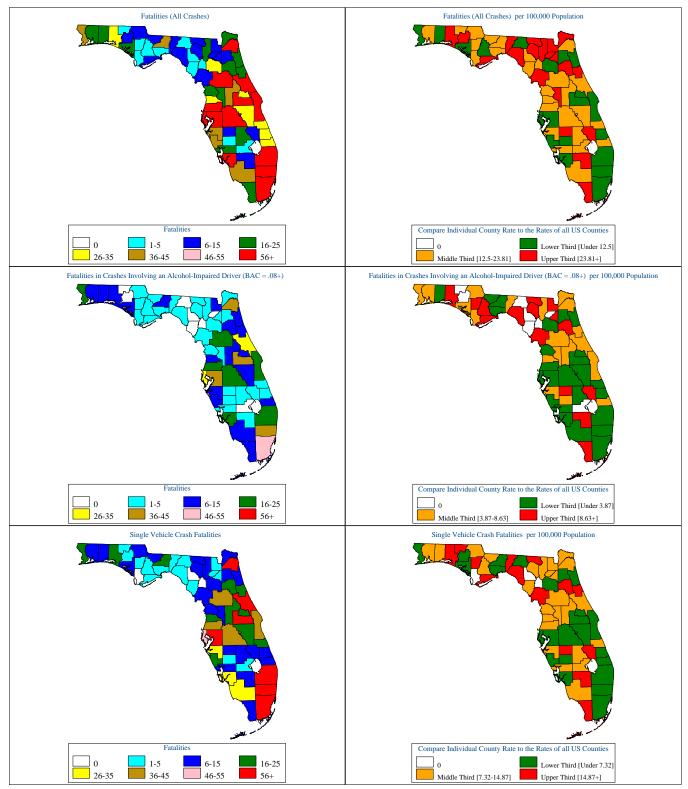
*This Sub Rate is the Rate for the Top Ten Counties

**This Sub Rate is the Rate for all Counties Outside the Top Ten





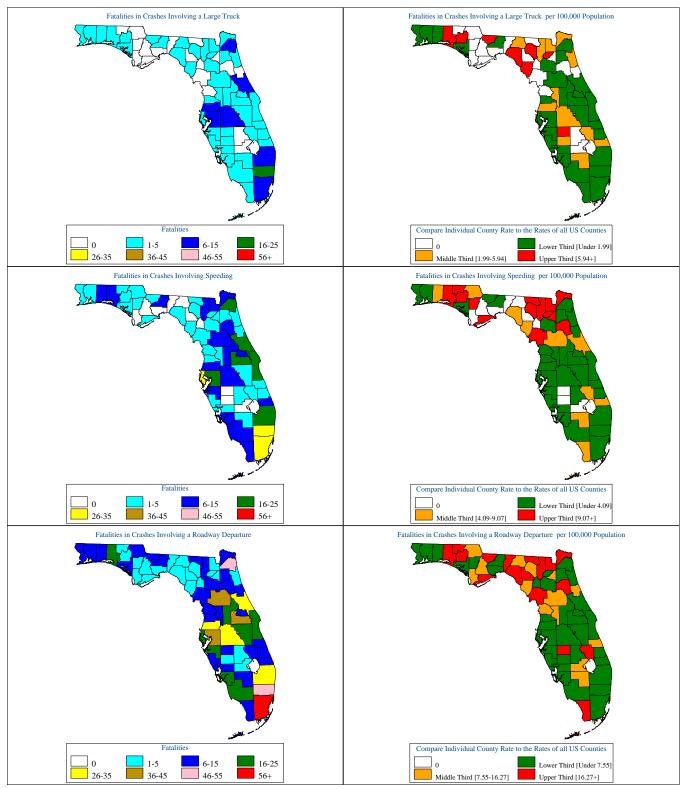
Florida Motor Vehicle Crash Fatality Maps for 2010







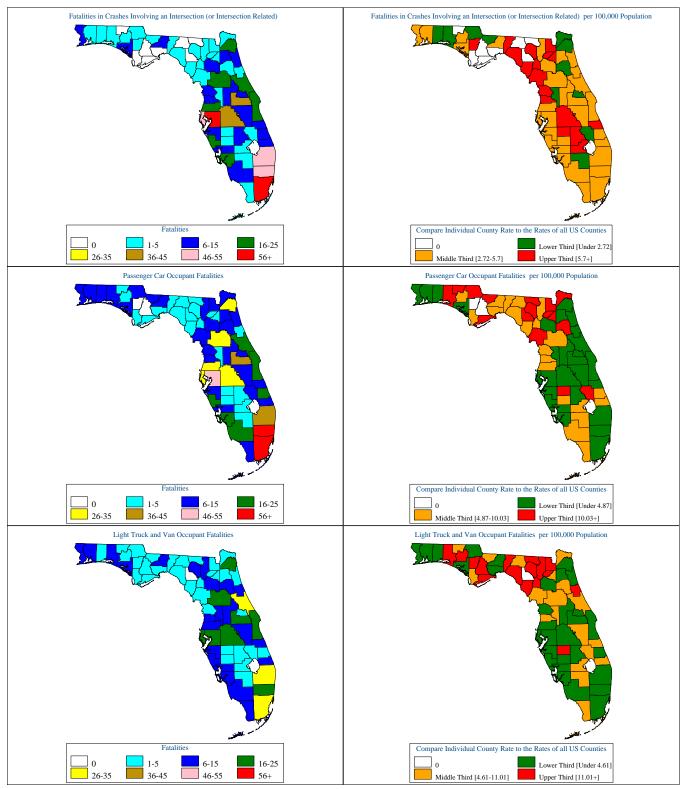
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